

Tata Institute of Fundamental Research

No. 1, Dr. Homi Bhabha Road, Navy Nagar, Colaba, Mumbai 400005

Infosys Science Foundation Lecture

by

Professor Rahul Vijay Pandharipande

on

Algebraic Geometry of Moduli Spaces

Venue and Time: AG 69, 4PM, 11 February 2014

Abstract: An elementary introduction to this topic with an eye towards modern counting invariants, discussing the counting of partitions in 2 and 3 dimensions, the counting of ideals in rings, and the counting of curves in space. The main theme will be the basic new relations found between these questions.



Professor Rahul Vijay Pandharipande is a leader in the field of algebraic geometry. During the last 15 years, he has made profound contributions to the Gromov-Witten theory.

Professor Rahul Pandharipande got his A.B. degree from Princeton University in 1990 and earned his Ph.D. in Mathematics 1994 with Joe Harris from Harvard University. After spending four years at the University of Chicago, he moved to the California Institute of Technology, where he stayed till 2001. He then joined Princeton University as a professor in 2002. In 2011 he moved to Europe, visiting Portugal for a year and then settling at ETH in Zurich.

He has received many academic honors including Fellowships from the Sloan Foundation (1999) and the Packard Foundation (2000), the Compositio Prize (2009) and the Clay Research Award (2013). He was an invited speaker at the International Congress of Mathematicians (2002). He was awarded the Infosys Prize 2013 in Mathematical Sciences for his profound work in algebraic geometry.

All Are Welcome